



MEMBRANE TECHNOLOGY WORKSHOP
APRIL 28 & 29, 2009
KELLY INN, BISMARCK, ND

We invite you to join us for the Membrane Technology Workshop presented by the North Dakota Section of the American Water Works Association (NDAWWA). This day and a half workshop will provide information to assist decision-makers, as well as train and inform current and future operators through presentations by experts in the field and discussion forums on the hottest topics in the membrane industry.

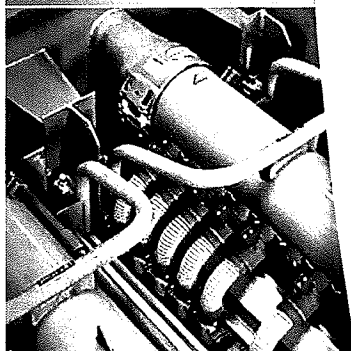
Operators, managers, commissioners, technology developers, researchers, and consultants interested in the unique characteristics of membrane applications in the Midwest (including small systems) are strongly encouraged to attend.

DESIGN TRACK: TUESDAY AFTERNOON - APRIL 28

- 1:00 PM Welcome
- 1:15 PM Introduction to Membranes in Water Treatment Plants & Overview of Membranes in North Dakota
- 2:00 PM Regulatory Design Considerations & Approval
- 2:45 PM State of the Art & Future of Membranes
- 3:30 PM Break
- 3:45 PM Cost Considerations for Design and Operation of Membrane Systems
- 5:00 PM Social

OPERATIONS TRACK: WEDNESDAY - APRIL 29

- 7:00 AM Breakfast Provided
- 8:00 AM Startup Considerations
- 8:45 AM Concentrate Disposal - Where and How
- 9:30 AM Membrane Maintenance
- 10:15 AM Break
- 10:30 AM O&M Case Study - Grand Forks-Trail Rural Water District
- 11:15 AM Panel Discussion with Key Water Treatment Plant Operators
- 12:00 PM Lunch Provided
- 1:00 PM Transitioning Staff to Membrane Treatment
- 1:45 PM Design Pro's and Con's
- 2:30 PM Break
- 2:45 PM Panel Discussion with Key Membrane Vendors
- 3:45 PM Summary of Membrane Experience in ND/Troubleshooting Tips
- 4:15 PM Adjourn



For More Information
Deon Stinson
406-268-4000
Deon.Stinson@ndawwa.com
or
Meredith Stinson
701-748-8000
Meredith.Stinson@ndawwa.com
or visit
www.awwa.org/membrane



North Dakota
AMERICAN WATER WORKS
ASSOCIATION

MEMBRANE TECHNOLOGY WORKSHOP REGISTRATION FORM

Name: _____

Representing: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Email Address: _____

- ☐ Full Workshop Registration, AWWA Members - \$35
- ☐ Full Workshop Registration, AWWA Members After April 14, 2009 - \$45
- ☐ Full Workshop Registration, Non-AWWA Members - \$50
- ☐ Full Workshop Registration, Non-AWWA Members After April 14, 2009 - \$60
- ☐ Student Registration with meals - \$10

WORKSHOP LOCATION & ACCOMMODATIONS:

Kelly Inn
1800 N 12th St
Bismarck, ND 58501
Reservations: (800) 635-3559
Telephone: (701) 223-8001
Room Rates: \$55 + tax (single), \$70 + tax (double)

SEND COMPLETED REGISTRATION TO:

Larry Thelen
ND Department of Health
Division of Municipal Facilities
918 East Divide Avenue, 3rd Floor
Bismarck, ND 58501-1947

Please make checks payable to ND Section

